

Amendments to the Claims:

1-31. (canceled)

32. (currently amended) ~~The~~An isolated nucleic acid of Claim 28 having at least 99% nucleic acid sequence identity to[[::]]

(a) — a nucleic acid sequence encoding the polypeptide shown in Figure 110 (SEQ ID NO:196);

(b) — a nucleic acid sequence encoding the polypeptide shown in Figure 110 (SEQ ID NO:196), lacking its associated signal peptide;

(c) — a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 110 (SEQ ID NO:196);

(d) — a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 110 (SEQ ID NO:196), lacking its associated signal peptide;

(e) — the nucleic acid sequence shown in Figure 109 (SEQ ID NO:195)[[;]],

(f) — the full length coding sequence of the nucleic acid sequence shown in Figure 109 (SEQ ID NO:195); or

(g) — the full length coding sequence of the cDNA deposited under ATCC accession number 203231,

wherein the nucleic acid encodes a polypeptide having fetal hemoglobin inducing activity.

33. (currently amended) An isolated nucleic acid comprising[[::]]

(a) — a nucleic acid sequence encoding the polypeptide shown in Figure 110 (SEQ ID NO:196);

(b) — a nucleic acid sequence encoding the polypeptide shown in Figure 110 (SEQ ID NO:196), lacking its associated signal peptide;

- (c) — a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 110 (SEQ ID NO:196);
- (d) — a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 110 (SEQ ID NO:196), lacking its associated signal peptide;
- (e) — the nucleic acid sequence shown in Figure 109 (SEQ ID NO:195)[[;]].
- (f) — the full length coding sequence of the nucleic acid sequence shown in Figure 109 (SEQ ID NO:195); or
- (g) — the full length coding sequence of the cDNA deposited under ATCC accession number 203231.

34. (canceled)

35. (canceled)

36. (canceled)

37. (canceled)

38. (currently amended) The isolated nucleic acid of Claim 33 comprising the nucleic acid sequence of SEQ ID NO:195 shown in Figure 109 (SEQ ID NO:195).

39. (canceled)

40. (canceled)

41. (canceled)

42. (canceled)

43. (canceled)

44. (currently amended) A vector comprising the nucleic acid of Claim 32 or 4828.

45. (previously presented) The vector of Claim 44, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

46. (previously presented) A host cell comprising the vector of Claim 44.

47. (previously presented) The host cell of Claim 46, wherein said cell is a CHO cell, an *E. coli* or a yeast cell.

48. (new) An isolated nucleic acid having at least 99% nucleic acid sequence identity to the nucleic acid sequence shown in Figure 109 (SEQ ID NO:195), wherein the nucleic acid encodes a polypeptide that induces chondrocyte re-differentiation.